

REMARKS


The foregoing Preliminary Amendment is requested in order to delete the multiple dependent claims and avoid paying the multiple dependent claims fee.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Early action on the merits is respectfully requested.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

3. (amended) Isolation interface with a capacitive barrier as recited in claim 1 [or 2], characterized in that an input of the basic isolation interface (A1, C+, C-, R+, R-, A2) with a capacitive barrier is connected to a control input of a pulse-width modulator (PWM), to whose second input a constant frequency signal is uninterruptedly conducted and whose output is connected to an input of an auxiliary isolation interface provided for transmission over an auxiliary communication channel (ACC), that the output of the basic isolation interface (A1, C+, C-, R+, R-, A2) with the capacitive barrier and an output of the auxiliary isolation interface for transmission over the auxiliary communication channel (ACC) are connected to inputs of a decision logical circuit (DLC) that provides for a correct logical state of the signal transmitted by the basic isolation interface (A1, C+, C-, R+, R-, A2) with the capacitive barrier, and that an output of the decision logical circuit (DLC) is the output of the isolation interface with the capacitive barrier.

7. (amended) Method for transmitting a signal through an isolation interface with a capacitive barrier as recited in claim 5 [or 6], characterized in that, besides transmitting the input signal U_i through the basic isolation interface with the capacitive barrier, there is uninterruptedly performed the transmitting of a constant frequency signal U_{ia} , which is pulse-width-modulated with the transmitted input signal U_i , through an auxiliary isolation interface for transmission over an auxiliary communication channel (ACC) and that according to a modulation of the transmitted pulse-width-modulated signal U_{outa} ,

the logical state of an output signal U_{out} transmitted by the isolation interface with the capacitive barrier is adjusted.